

From owner-qrp-l@netcom.com Sat Sep 17 09:41:46 1994
Message-Id: <199409171156.HAA11521@thor.INS.CWRU.Edu>
From: Stephen Trier <sct@po.cwru.edu>
Date: 17 Sep 1994 11:56:38 GMT
Subject: Re: 10-20 meters

Everyone is proposing the same idea for the 10-20 meters converter:
A low-side LO into the mixer. Why not use a high-side LO? Mix the
inbound 14 MHz signal with a 42 MHz LO to get 28 MHz and 56 MHz, with
no birdies. Filter appropriately and you should be set. A stable
and clean 42 MHz is harder to obtain than 14 MHz or 15 MHz, but the
lack of birdies would make it worthwhile.

Stephen

--

Stephen Trier "Here, but for an extraordinary physics teacher,
sct@po.cwru.edu goes a saxophone player."
KG8IH - Albert Overhauser, National Science Medal winner

From owner-qrp-l@netcom.com Sat Sep 17 14:31:08 1994
Date: Sat, 17 Sep 94 06:47:00 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9409171647.AA05276@kahuna.math.hawaii.edu>
Subject: Re: 10-20 meters

Every is discussing the receive side, but how to take the 5W 28 Mc
output from the xcvr and convert it down to 14 Mc is the real
problem.

Jeff

From owner-qrp-l@netcom.com Sat Sep 17 22:52:55 1994
From: rohrwerk@holonet.net
Date: Sat, 17 Sep 1994 17:44:25 -0700
Message-Id: <199409180044.RAA20035@holonet.net>
Subject: An R2 ancestor?

Reading a QST "25 years ago..." capsule summary, they mentioned an old article
I just had to go back and look at, what with our current dabblings with KK7B's
R2 phasing DC receiver design.

September 1969 QST, "A Direct-Conversion S.S.B. Receiver" by Richard S. Taylor,
W1DAX. It wasn't an absolutely complete project, but he gave some of the most
necessary building blocks. He was using the old Barker and Williamson 2Q4

audio phase shift network (the one that looks like a metal-cased octal tube) with FET post amplifiers, an LC pi-net audio lowpass filter, an input transformer with two coupling windings to split the RF input, an RF phase splitter I can't easily describe, and diode double balanced mixers (presumably homebrew). He says he got 34 dB of opposite sideband rejection.

His comments ring a bell to this R2 builder/user:

"There is a feeling of 'transparency' or 'presence', as if the listener were hearing the signals directly rather than through a receiver. This is a result of the excellent linearity and low distortion inherent in the design."

: John Seboldt rohrwerk@holonet.net / The joint chiefs of staff:
: Amateur radio K0JD... / General Confusion and Major Error
: Church of the Annunciation, / ("Car Talk")
: Minneapolis /

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-1@netcom.com Sat Sep 17 23:54:48 1994
From: jeffrey@math.hawaii.edu
Date: Sat, 17 Sep 94 15:28:39 HST
Message-Id: <9409180128.AA03128@cruncher.math.hawaii.edu>
Subject: HW-8

Bill WA8TZG wrote:

That being said, the HW-8 was not the be-all-end-all of RF communication. It was plagued by all the problems inherent to DC rigs,
...

cat: a purr bearing mammal

Wasn't the HW-7 the one with the DC receiver, and the HW-8 had a superhet?

My cat used to love to sleep on my DX-60 xmtr while it was running;
I guess she was recycling the heat given off by the tubes.

Jeff NH6IL

From owner-qrp-1@netcom.com Sat Sep 17 20:06:35 1994
Message-Id: <9409171740.A7847rD@wa8tzg.mi.org>
Date: Sat, 17 Sep 1994 17:40:12 EDT
From: wwm@wa8tzg.mi.org (Bill Meahan)
Subject: Re: HW-8 - I solicit your opinions

Brian Pepperdine writes:

>Could I have the opinions of anyone with opinions on the HW-8. Reason of
>course is that I have been offered one at a yet to be determine price by
>someone who heard I belong to a local qrp club. He built it originally but
>never really got into qrp or using the rig. Anyhow, he felt I might make
>better use of it.

>So.... what's one like? Will I like it? What is a fair price? What is it
>like for reception/transmission (selectivity,sensitivity, drift). Subject
>to intermod? Were xtal filters a standard item?

I USED to have an HW-8 on which the only mod was a substitution of a BNC connector instead of the RCA Phono jack for the antenna. I managed to work quite a few stations with it, including an I4 and a PY2, even though the antenna I was using at the time was a 20M dipole just lying on the roof and I was operating on 15M! ("The RF has got to go SOMEWHERE").

That being said, the HW-8 was not the be-all-end-all of RF communication. It was plagued by all the problems inherent to DC rigs, sensitivity was OK, intermod performance average at best and the narrow position on the filter rang like a bell. Still, it was a lot of fun to build, fun to use and made a bunch of contacts. If you don't pay too much, you'll like it a lot. I sold mine for \$65 two years ago and the buyer thought it was a steal.

Overall, I wish I hadn't sold it, but

--

Bill Meahan WA8TZG wmeahan@wa8tzg.mi.org
Member of: ARRL, IMRA, NorCal QRP, G-QRP, IEEE Computer Society
Hey, this is my OWN computer! I can say what I want!
cat: a purr bearing mammal

From owner-qrp-l@netcom.com Sat Sep 17 20:05:05 1994
Date: Sat, 17 Sep 94 15:09:47 PDT
Message-Id: <9409172209.AA10590@altair.csustan.edu>
From: dh@altair.csustan.edu (Doug Hendricks)
Subject: KI6DS QRP AFIELD

Here is my report such as it is. I woke up bright and early Saturday morning all excited about QRP Afield Day. When I stumbled into the kitchen my wife greeted me with, "Good morning. Did you remember that you promised to do some things for me today?" Oops. I had promised to do some honey-dos for my wife, and it was on the very day of QRP Afield, and I had great plans that had been in my mind for months.

In the interest of marital bliss and my desire for a warm place to sleep and eat, I decided to do the tasks for my wife before I did the ham radio fun things. I finished about 9:30, and then told my wife that I needed to use the car today to go out in the field and play radio. "No way,

Dougie," she said, as she informed me that she needed the car to run errands. My youngest daughter has taken my beloved Toyota pickup to Sacramento to school, so I am left with my bicycle and the use of my wife's car if she is not using it.

Not a problem, I will put all of the gear in my panniers on my bike and really do the QRP thing right. The first thing that I check is the battery that I charged last week. 7.45 volts. Uh Oh, that won't get it. What I am to do? I decide to scrap the outing plans and do QRP Afield from home. It is not what I had in mind, but at least I will be on the air. The rig of choice is the NorCal 40, as I have foolishly loaned out my Sierra and it has not returned.

By the time I get on the air it is 11:30 and the band is DEAD in California. Finally I hear a faint signal. It is K6MDJ, Fred Turpin from near LA and an old Zuni Looper buddy. I hurriedly call him and make the contact. I give him a 559, and then QSB takes him away into the ether. I can't find him again and fail to get a report. Tuning around for the next 30 minutes yields NO signals heard at this QTH. So, I eat lunch, watch a little football on TV and read a couple of articles in the paper.

I decide to give it another try at about 2:15, and the signals are there. I hear a 5, a 7 and there is a CQ, it is N6GA, Cam Hartford, another Zuni Looper from LA. His signal is excellent, and I give him a 599, get his full report, and he gets mine. We chew the fat for 20 minutes, I tell him that I think his Sierra will ship in a week or so, and then we sign. It is 2:45 local time, I have had 2 qso's in the contest, but both were with old friends. It was fun, and it got me on the air for the first time in a month, as I have been super busy.

Thank you to the NE Club for a great operating idea. I think that they should have another one in the spring, as it gives me an excuse to get out of the house (which I failed to do), but I did have the good intentions. Band conditions were not good on 40, but I still had fun.
72, Doug, KI6DS

From owner-qrp-l@netcom.com Sat Sep 17 02:15:15 1994
From: rohrwerk@holonet.net
Date: Fri, 16 Sep 1994 20:26:06 -0700
Message-Id: <199409170326.UAA03280@holonet.net>
Subject: Lost mail!

My service provider lost mail from 9/14/94, 2:12 PST, to 9/16/94, 18:00 PST. If anybody wrote me personally, it's gone...

Anybody remind me of how to get these days from the Netcom archives?

: John Seboldt	rohrwerk@holonet.net	/	I am Bach of Borg...
: Amateur radio	K0JD...	/	your style will be
: Church of the	Annunciation,	/	assimilated.
: Minneapolis		/	

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-l@netcom.com Sat Sep 17 07:09:24 1994
From: ab4el@Cybernetics.NET (Stephen Modena)
Message-Id: <9409170907.AA16421@Cybernetics.NET>
Subject: Re: Lost mail!
Date: Sat, 17 Sep 1994 05:07:10 -0400 (EDT)

John--

> My service provider lost mail from 9/14/94, 2:12 PST, to 9/16/94, 18:00 PST.
> If anybody wrote me personally, it's gone...
>
> Anybody remind me of how to get these days from the Netcom archives?
>
> : John Seboldt rohrwerk@holonet.net / I am Bach of Borg...

I just checked MajorDomo at Netcom.com...and there are no archives for QRP-L.

However, those archives (each labeled one day later) can be had by anonymous ftp to: Sunsite.unc.edu

in: /pub/academic/agriculture/agronomy/electronics+computers/QRP

and you if you only have email, contact me and I'll email them to you.

73/Steve/AB4EL ab4el@Cybernetics.NET

From owner-qrp-l@netcom.com Sat Sep 17 20:25:57 1994
Date: 17 Sep 94 18:44:17 EDT
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: MFJ 16010 Tuner Circuit??
Message-Id: <940917224416_74740.3166_EHB35-1@CompuServe.COM>

My apologies if this is a duplicate, but I never saw it bounced to the list.....

Does anyone happen to know what kind of circuit the MFJ-16010 Random Wire Tuner uses? The ad says that it will "match high and low impedances by interchanging input and output." So, I suspect it's a simple "L" circuit (series L with the cap to ground).

Can anyone confirm this?

73, Craig WB3GCK

Just say no to QRO!

From owner-qrp-1@netcom.com Sat Sep 17 19:28:55 1994
From: K7YHA@aol.com
Message-Id: <9409171653.tn51240@aol.com>
Date: Sat, 17 Sep 94 16:53:42 EDT
Subject: QRP Afield

Murphy Lives!

I got a very LATE start on this sprint. Finally got on the air from my driveway using an ARK-40 fed into a Hustler 40 meter mobile whip with 2 radials clipped onto the ball mount on the rear of my Toyota van. This vertically polarized, air-cooled, omnidirectional dummy load did quite well, netting me a total of 5 QSOs including W1FMR (NE #1) and NG1G (NE #2)! Also worked W40EL, Sheldon, in Mechanicsburg, VA.

Not bad, actually. I was on the air for a total of 45 minutes and had a great time despite the torrential rain, bad location (down in a valley) and marginal antenna system.

Hey, Fitton....when we gonna do this again!

72 es 73 to all

Rich

From owner-qrp-1@netcom.com Sat Sep 17 02:13:29 1994
From: rohrwerk@holonet.net
Date: Fri, 16 Sep 1994 20:26:02 -0700
Message-Id: <199409170326.UAA03275@holonet.net>
Subject: QRP gear

My list of QRP gear:

Homebrew 5-watt 40/20 meter VFO/Transmitter
Homebrew 5-watt broadband PA strip with transistorized T-368 exciter as VFO
KK7B R2 receiver that transceives with these 2 units
Ten-Tec Argosy 525 (when I flip the switch on the back!)
Resonant antenna tuner for 80-10 meters

: John Seboldt	rohrwerk@holonet.net	/	I am Bach of Borg...
: Amateur radio	K0JD...	/	your style will be
: Church of the Annunciation,		/	assimilated.
: Minneapolis		/	

-> Alice4Mac 2.3 E QWK Eval:05Mar94